

## ABSTRACT OF THE DISCLOSURE

A distributed testing system including (a) a logical agent; (b) a server communicating with the logical agent; (c) a graphical user interface (GUI) communicating with the server; and (d) a framework. The framework interfaces physical agents to the logical agent, the server and the GUI via plug-ins. The framework also interfaces a plurality of measurements to the server and the GUI via plug-ins. The interfaced physical agents perform the interfaced heterogeneous measurement for a test of a communications network in accordance with control by an end user via the GUI.